Reducing the Logistics Footprint

Parts Standardization & Management Committee

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Overview

- **Defining footprint / logistics footprint**
- **Reducing the logistics footprint**
- **Logistics transformation policy**
- **Future Logistics Enterprise**
- **Performance-Based Logistics**
- **Parts management**

Defining Footprint

- ***Footprint*: amount of personnel, spares, resources, and capabilities physically present / occupying space at a deployed location**
- ***Logistics Footprint*: size of "in theater" logistics support needed to move and sustain a warfighting force—**parts, people, support equipment, transportation, fuels

Logistics Footprint

- **Logistics footprint must be adequate to provide warfighters with sufficient support to win wars**
- **Logistics support must be streamlined and efficient for conducting effective 21st century operations**
- **Logistics must be as responsive, deployable, agile and versatile as the warfighting forces being supported**

Reducing the Logistics Footprint

- **Address each component of the total logistics support package**
- **Design / develop more efficient, effective, and reliable processes and components**
- **Ensure optimum operational effectiveness with fewer resources**

Reducing Log Footprint Approaches

- **Enhanced performance**
- **Improved reliability**
- **Proactive maintenance techniques**
- **Improved supply chain processes**

Logistics Transformation Policy

- **Joint Vision 2020**
- **Focused Logistics**
- **Quadrennial Defense Review**
- **Future Logistics Enterprise**
- **DoD 5000 Policy**

Joint Vision 2020

The purpose of JV2020 is to…

describe in broad terms the human talent—the professional, well-trained, and ready force—the operational capabilities that will be required for the joint force to succeed across the full range of military operations and accomplish its mission in 2020 and beyond.

Joint Vision 2020

The CJCS vision…

Dedicated individuals and innovative organizations transforming the joint force for the 21st Century to achieve *full spectrum dominance*:

- **Persuasive in peace**
- **Decisive in war**
- **Preeminent in any form of conflict**

Joint Vision 2020 Interoperability

Interoperability is a mandate for the joint force of 2020—especially in terms of communications, *common logistics items*, and information sharing.

Focused Logistics

Focused Logistics means doing logistics right.

It means providing the future joint warfighter:

the right personnel, equipment, supplies, sup

in the right place

at the right time

in the right quantities

across the full spectrum of military operation

Quadrennial Defense Review Direction

Logistics Implications:
1. Project and sustain the force *with minimal footprint*.
2. Implement *performance-based logistics* to improve readiness for major weapon systems and availability of commodities.
3. Reduce cycle times to industry standards.

Future Logistics Enterprise

DoD's vision (for 2005-2010) to:

- **accelerate logistics improvement**
- **enhance support to the warfighter**
- **align logistics processes with 21st century operational demands**

FLE Initiatives

- **Depot Maintenance Partnerships**
- **Condition-Based Maintenance +**
- ***Total Life Cycle Systems Management***
- **End-to-End Distribution**
- **Executive Agents**
- **Enterprise Integration**

Total Life Cycle System Management

The implementation, management, and oversight, by the designated Program Manager of all activities associated with the acquisition, development, production, fielding, sustainment and disposal of a DoD weapon system across its life cycle.

DOD 5000 Policy

<u>Total Systems Approach</u>. The PM shall be the single point of accountability for accomplishment of program objectives for *total life cycle systems management*, including sustainment.

<u>Performance-Based Logistics</u>. PMs shall develop and implement performance-based logistics strategies that optimize total system availability while minimizing cost and *logistics footprint*. Sustainment strategies shall include the best use of public and private sector capabilities through government / industry partnering initiatives, in accordance

Performance-Based Logistics

PBL is a strategy for weapon system product support that employs the purchase of support as an integrated performance package designed to optimize system readiness.

PBL meets performance goals for a weapon system through a support structure based on performance agreements with clear lines of

Parts Management

- **Standardization of parts falls under TLCSM**
- **Logistics *is* parts management**
  - **Each part carries significant overhead costs**
  - **To determine total cost of part, multiply for life**
- **Parts management by weapon system**
  - **C-17 transport has 9 million parts**
  - **F/A-18 has 750 thousand parts**
  - **Apache helicopter has 30,000 parts**
- **Design in standard parts up front**
  - **Batteries**
  - **Electronics**

Parts Management for the Future

- **Stay abreast of the Department's current policy and vision for the near future**
- **Tailor parts management program to fit the current and future DoD logistics environment**
- **"Sell" the concept of how parts management supports current DoD goals**

Summary

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- **Performance-Based Logistics (PBL)**
- **Parts management**